WHAT IS CLAIMED IS:

1. An image processing method for converting data dependent on a first illuminating light into data dependent on a second illuminating light, comprising steps of:

storing conversion data for plural illuminating lights having different characteristics;

generating data indicating the proportion of synthesis of said plural illuminating lights having different characteristics, corresponding to said second illuminating light; and

converting data dependent on said first illuminating light into data dependent on said second illuminating light, based on said conversion data for plural illuminating lights having different characteristics, and said data indicating the proportion of synthesis.

2. An image processing method according to claim 1, wherein said plural illuminating lights are different in color rendering property.

3. An image processing method according to claim 1, wherein said data indicating the proportions of plural syntheses are stored in advance according to the kinds of the illuminating light.

4. An image processing method according to claim 3, wherein the kind of said second illuminating light is designated by the user and said data indicating the proportion of synthesis are selected according to said designated kind of the second illuminating light.

5. An image processing method according to claim 1, wherein said data indicating the proportion of synthesis are generated according to a manual instruction of the user.

6. An image processing method according to claim 1, wherein said data indicating the proportion of synthesis are generated according to the output from a sensor for measuring the illuminating light.

7. An image processing method according to claim 1, wherein said conversion data are matrix data.

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8. An image processing apparatus for converting data dependent on a first illuminating light into data dependent on a second illuminating light, comprising:

storage means for storing conversion data for plural illuminating lights having different characteristics;

generation means for generating data indicating the proportion of synthesis of said plural illuminating

lights having different characteristics, corresponding to said second illuminating light; and

conversion means for converting data dependent on said first illuminating light into data dependent on said second illuminating light, based on said conversion data for plural illuminating lights having different characteristics, and said data indicating the proportion of synthesis.

9. A computer readable recording medium storing a program said program comprising the steps of:

storing conversion data for plural illuminating lights having different characteristics;

generating data indicating the proportion of synthesis of said plural illuminating lights having different characteristics, corresponding to said second illuminating light; and

converting data dependent on said first illuminating light into data dependent on said second illuminating light, based on said conversion data for plural illuminating lights having different characteristics, and said data indicating the proportion of synthesis.

10. An image processing method comprising steps of:

setting an ambient lighting characteristic

coefficient according to a manual instruction;

inputting image data dependent on an input device; and

effecting correction for the ambient lighting on said inputted image data based on said input device, a display device and said ambient lighting characteristic coefficient, thereby achieving conversion into image data dependent on said display device.

11. An image processing method according to claim 10, wherein said correction for the ambient lighting is achieved by correction of color rendering based on said ambient lighting characteristic coefficient.

12. An image processing method according to claim 11, wherein said correction of color rendering is achieved by a weighted process on said conversion data corresponding to the plural light sources having different color rendering properties, based on said ambient lighting characteristic coefficient.

13. An image processing method according to claim 10, wherein matrix coefficients relating to said correction for the ambient lighting are calculated according to said ambient lighting characteristic coefficient.

14. An image processing method according to claim 13, wherein said calculated matrix coefficients are registered according to a manual instruction.

15. An image processing method according to claim 10, further comprising a step of:

setting the color temperature and the luminance of the ambient light;

wherein said correction for the ambient light is achieved by a color adapted conversion according to said color temperature and luminance.

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16. An image processing apparatus comprising:

setting means for setting an ambient lighting characteristic coefficient according to a manual instruction;

input means for entering image data dependent on an input device; and

conversion means for effecting correction for the ambient lighting on said entered image data based on said input device, a display device and said ambient lighting characteristic coefficient, thereby achieving conversion into image data dependent on said display device.

17. A computer readable recording medium storing a program for executing an image processing method,

said program comprising steps of:

setting an ambient lighting characteristic coefficient according to a manual instruction;

inputting image data dependent on an input device; and

effecting correction for the ambient lighting on said inputted image data based on an input device, a display device and said ambient lighting characteristic coefficient, thereby achieving conversion into image data dependent on said display device.

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